

Fastcampus Data Science SCHOOL

git



git

Goal

- git을 이해하고, git과 github이 다름을 인지한다
- git을 활용하여 나의 소스코드를 관리할 수 있다
- 데이터 사이언티스트의 커리어를 스웱할 나만의 멋진블로그를 만들 수 있다
- git의 branch model을 활용해 능숙하게 코드관리할 수 있다
- git으로 타인과 협업하며, 다른 프로젝트에 기여할 수 있다

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Assignment

Try git

What is branch?

What is branch?



What is branch?

분기점을 생성하고 독립적으로 코드를 변경할 수 있도록 도와주는 모델

ex)

master branch

```
print('hello world!')
```

another branch

```
for i in range(1,10):  
    print('hello world for the %s times!' % i)
```


Branch

Show available local branch

```
$ git branch
```

Show available remote branch

```
$ git branch -r
```

Show available All branch

```
$ git branch -a
```

Branch

Create branch

```
$ git branch stem
```

Checkout branch

```
$ git checkout stem
```

OR

Create & Checkout branch

```
$ git checkout -b new-stem
```

Branch

make changes inside [README.md](#)

```
$ git add README.md
```

```
$ git commit -m 'edit README.md'
```

```
$ git push origin stem
```

Branch

push with specified remote branch

```
$ git push origin stem
```

see the difference between two branches

```
$ git diff master stem
```

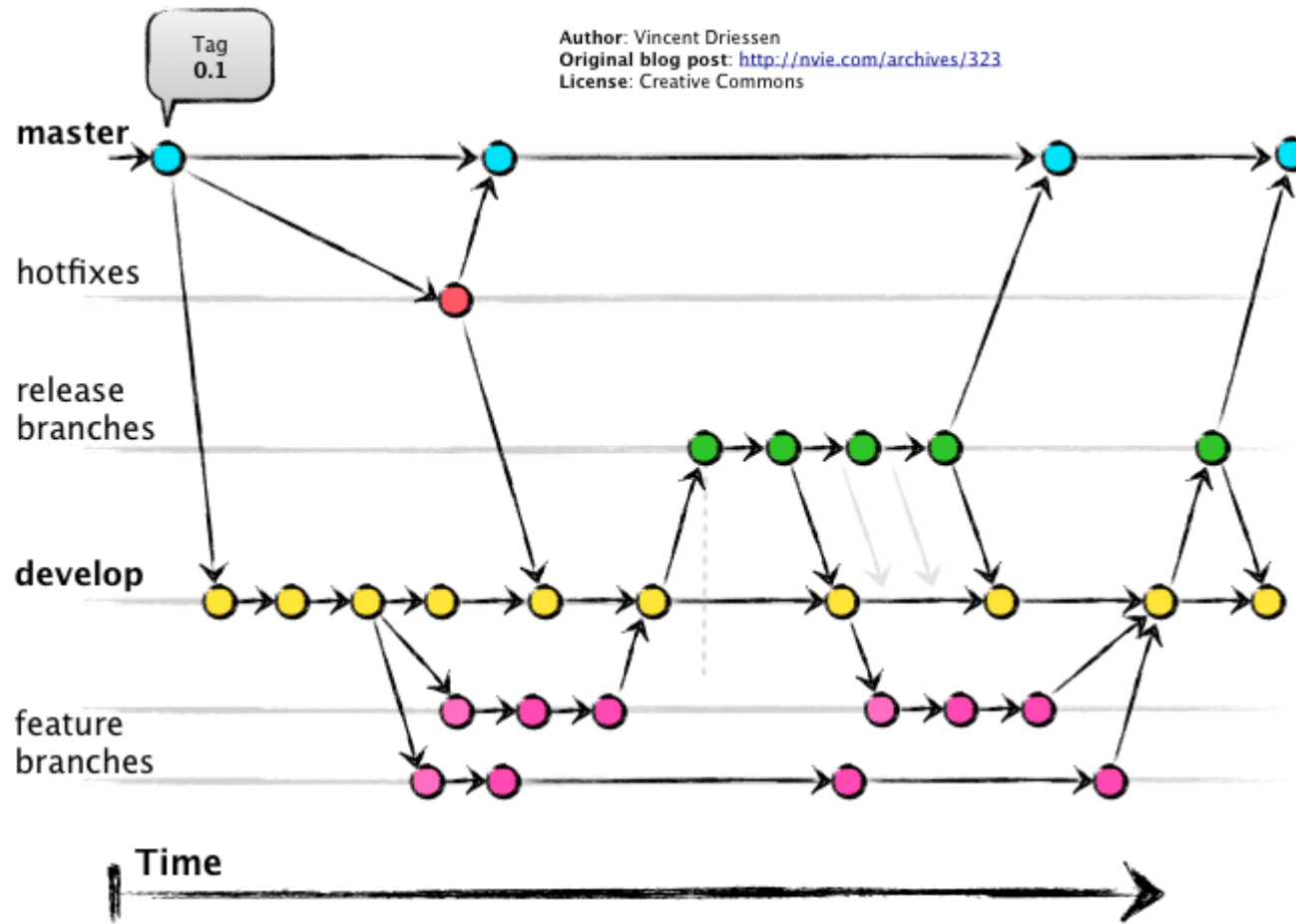
merge branch

```
$ git merge stem
```

delete branch

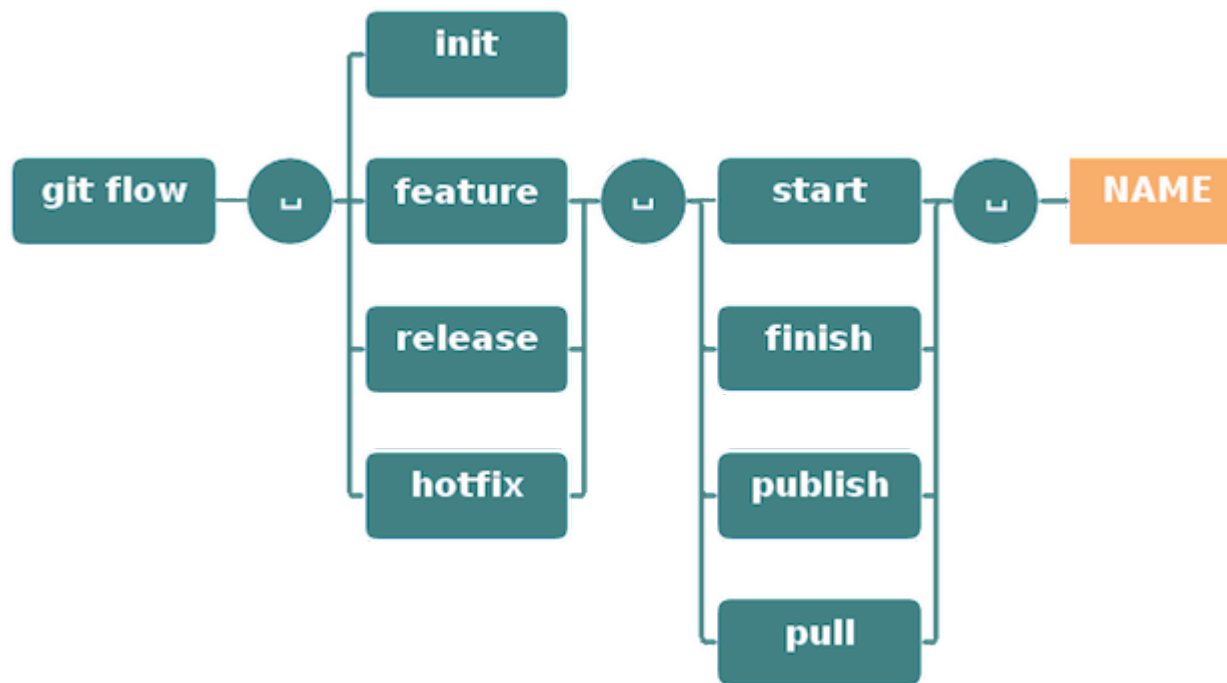
```
$ git branch -D stem
```

git flow strategy



use git flow easily!

[Link](#)



Collaborate with your Co-worker

Method 1: Collaboration

Add Collaborator

[Code](#) [Issues 0](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Settings](#) [Insights ▾](#)

[Options](#)
Collaborators
[Webhooks](#)
[Integrations & services](#)
[Deploy keys](#)

CollaboratorsPush access to the repository

This repository doesn't have any collaborators yet. Use the form below to add a collaborator.

Search by username, full name or email address

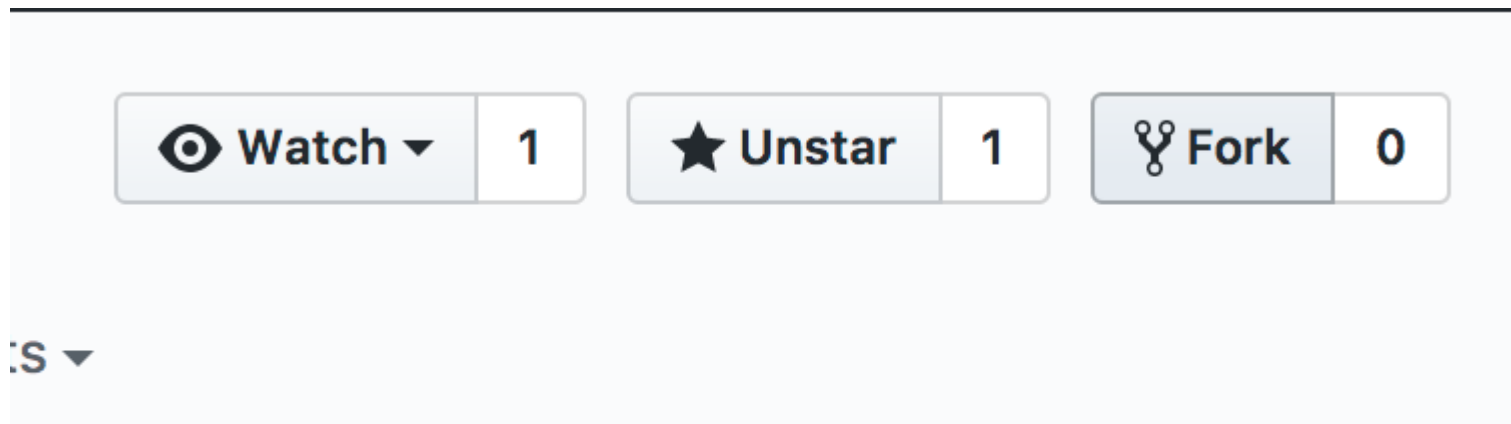
You'll only be able to find a GitHub user by their email address if they've chosen to list it publicly. Otherwise, use their username instead.

Add collaborator

Collaboration

Add, Commit and Push like you own it.

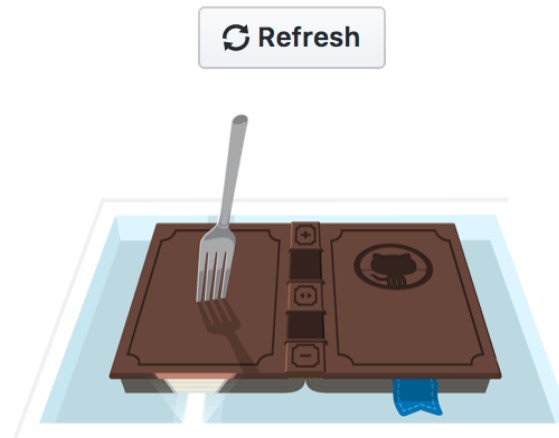
Method 2: Fork and Merge



Fork and Merge


Forking JKeun/study-of-regression-toyota-corolla


It should only take a few seconds.




Fork and Merge


 **ulgoon / study-of-regression-toyota-corolla**
forked from [JKeun/study-of-regression-toyota-corolla](#)

 **Code**


 Pull requests **0**

 Projects **0**

 Wiki



 **Study - Regression Analysis using ToyotaCorolla dataset**
[Add topics](#)

 **9 commits**

 **1 branch**

Branch: **master** ▼

New pull request

Fork and Merge

```
$ git clone https://github.com/username/forked-repo.git
```

```
$ git remote add upstream
```

```
https://github.com/anotheruser/original-repo.git
```

Fork and Merge

```
$ git fetch upstream
```

```
$ git merge upstream/master
```

```
$ git branch -a
```

```
$ git checkout -b new-feature
```

Fork and Merge

Make some change

```
$ git add file
```

```
$ git commit -m "commit message"
```

```
$ git push origin new-feature
```

Fork and Merge

No description, website, or topics provided.

Edit

[Add topics](#)

1 commit

3 branches

0 releases

1 contributor

Your recently pushed branches:


edit-index (less than a minute ago)

Compare & pull request


Fork and Merge

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

 base fork: kingwangzzang1234/kingwa... ▼ base: master ▼ ... head fork: ulgoon/kingwangzzang1234... ▼ compare: edit-index ▼

✓ **Able to merge.** These branches can be automatically merged.



edit index.html

Write

Preview

AA ▼ B i “ <> 🔗 ☰ ☰ ☑ ☰ ↶ @ ★

add header, footer tag


Attach files by dragging & dropping, [selecting them](#), or pasting from the clipboard.


☒ Allow edits from maintainers. [Learn more](#)


Create pull request

Fork and Merge

edit index.html #2

 **Open** ulgoon wants to merge 1 commit into `kingwangzzang1234:master` from `ulgoon:edit-index`

 Conversation 0

 Commits 1

 Files changed 1




ulgoon commented 17 seconds ago

Contributor



add header, footer tag

 edit index.html ...

d81b362

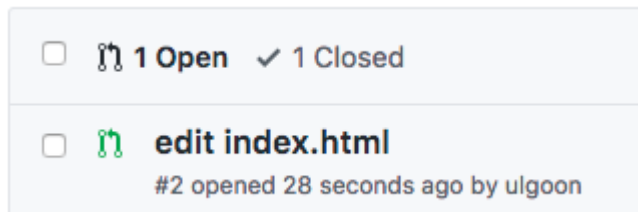
Add more commits by pushing to the **edit-index** branch on [ulgoon/kingwangzzang1234.github.io](https://github.com/ulgoon/kingwangzzang1234).



This branch has no conflicts with the base branch


Only those with [write access](#) to this repository can merge pull requests.


Fork and Merge



Fork and Merge

edit index.html #2

 **Open** ulgoon wants to merge 1 commit into kingwangzzang1234:master from ulgoon:edit-index

 Conversation 0

 Commits 1

 Files changed 1




ulgoon commented 38 seconds ago

Contributor



add header, footer tag

 edit index.html ...

d81b362

Add more commits by pushing to the **edit-index** branch on [ulgoon/kingwangzzang1234.github.io](https://github.com/ulgoon/kingwangzzang1234).



This branch has no conflicts with the base branch

Merging can be performed automatically.


Merge pull request






You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Fork and Merge

edit index.html #2

 **Open** ulgoon wants to merge 1 commit into `kingwangzzang1234:master` from `ulgoon:edit-index`

 Conversation **0**  Commits **1**  Files changed **1**




ulgoon commented 38 seconds ago

Contributor



add header, footer tag

 `edit index.html` ...

d81b362

Add more commits by pushing to the **edit-index** branch on `ulgoon/kingwangzzang1234.github.io`.



Merge pull request #2 from ulgoon/edit-index

edit index.html

Confirm merge

Cancel

Fork and Merge

edit index.html #2

Merged kingwangzzang... merged 1 commit into kingwangzzang1234:master from ulgoon:edit-index just now

Conversation 0

Commits 1

Files changed 1



ulgoon commented 38 seconds ago

Contributor



add header, footer tag

edit index.html ...

d81b362



kingwangzzang1234 merged commit 45d71fa into kingwangzzang1234:master just now

Revert

